

# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 6 ] नई दिल्ली, शनिवार, फरवरी 11, 1978 (माघ 22, 1899)  
No. 6] NEW DELHI, SATURDAY, FEBRUARY 11, 1978 (MAGHA 22, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENT AND DESIGNS  
Calcutta, the 11th February 1978

#### CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 4th June 1977 in Page No. 506. Column 2 in respect of design No. 144890 under the heading "Registration of designs"....

For 'A Window Grill' read 'A Spring'.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

5th January 1978

- 17/Cal/78. Gerd Paul Heinrich Lupke and Manfred Arno Alfred Lupke. Apparatus for producing thermo-plastic tubing. (February 7, 1977).
- 18/Cal/78. DHV Raadgevend Ingenieursbureau BV. Installation for contacting a gas with a liquid, in particular for aerating sewage.
- 19/Cal/78. Abex Corporation. Iron-chromium-nickel heat resistant castings.
- 20/Cal/78. Ruhrkohle Aktiengesellschaft. Process and plant for gasification of solid fuels, particularly of pit coals.
- 21/Cal/78. J. H. Schiek. Process and apparatus for the microbiological production of single-cell protein using an ethanol base.

6th January, 1978

- 22/Cal/78. DHV Raadgevend Ingenieursbureau BV. Surface aerator.

- 23/Cal/78. L. J. Pircon. Heterogeneous reactor and process. (November 16, 1977).

- 24/Cal/78. L. J. Pircon and R. E. Peck. Process for production of fertilizers. (November 16, 1977).

- 25/Cal/78. Philips India Limited. On electronic start and stop circuit for operating the turntable of a record player.

- 26/Cal/78. Voith Getriebe KG. A hydrodynamic torque converter which is also employable for braking.

7th January, 1978

- 27/Cal/78. Global Pollution Control Co. (1975) Ltd. Auger type screening device for removing sediment and the like from solution. (January 24, 1977).

9th January, 1978

- 28/Cal/78. Bassinger Tool Enterprises Ltd. Hydraulic shock absorber.

- 29/Cal/78. Minnesota Mining and Manufacturing Company. Prophylactic treatment of mastitis.

- 30/Cal/78. Kumari Susrita. A collapsible column.

10th January, 1978

- 31/Cal/78. Zellweger Uster Ltd. Method and apparatus for evaluating yarn signals based on the detection of at least approximately periodic variations in cross-section.

- 32/Cal/78. Zellweger Uster Ltd. Method of and apparatus for evaluating yarn signals having an at least approximately periodic component superimposed in an irregularity.

- 33/Cal/78. Franz Plasser bahnbaumaschinen-Industriegesellschaft m.b.H. A process for smoothing out irregularities in the upper surface and/or shoulder of a railhead by grinding.

1th January, 1978

- 34/Cal/78. Durametallie Corporation. Bypass flush system employing thermal bushing.
- 35/Cal/78. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Process for the manufacture of dithienylalkyl-halides.
- 36/Cal/78. Calorex India Pvt. Ltd. Improvements in or relating to water tube boilers.
- 37/Cal/78. Montedison S.p.A. Self-extinguishing polymer compositions.
- 38/Cal/78. Lucas Industries Limited. Electrical switch. (January 21, 1977).
- 39/Cal/78. Midrex Corporation. Method and apparatus for reducing particulate iron oxide to metallic iron with solid reductant.
- 40/Cal/78. Dr. Tarapada Mukherjee. Beating arrangement for turning and aerating machines for composting.

## APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

19th December, 1977

- 480/Del/77. Macgregor International S.A. Improvements in or relating to a device for retracting or extending a movable access ramp.
- 481/Del/77. Armco Steel Corporation. Method of treating aluminum-killed and low alloy steel strip surfaces in a sulfur-bearing atmosphere.
- 482/Del/77. Union Carbide Corporation. Method for separating a mixture of molten oxidized ferrophosphorus and refined ferrophosphorus.
- 483/Del/77. Dr. Beck & Co. AG. Improvements in or relating to aqueous electrically-insulating varnishes.
- 484/Del/77. Schering Aktiengesellschaft. Thiazolyleinnamic acid nitriles, their manufacture and their use as pesticides.
- 485/Del/77. Clark & Vicario Corporation. Mounting of cleaners in papermaking system.
- 486/Del/77. Vandervell Products Limited. Bearing assemblies. (December 21, 1976).
- 487/Del/77. S. Nair and M. L. Jain. Low cost mechanical pricking machine for india gooseberry for making indian preserve.

20th December, 1977

- 488/Del/77. S.A.E.I. Celitite. Process for the protection of galleries.
- 489/Del/77. Cluett, Peabody & Co. Inc. Precision moistening arrangement for integrated finishing and compressive preshrinking range.

22nd December, 1977

- 490/Del/77. A. N. Nagpal. Securing helmet on a packed scooter.
- 491/Del/77. Otis Elevator Company. An elevator control system.
- 492/Del/77. Shell Internationale Research Maatschappij B. V. Apparatus for the gasification of finely divided fuels. (December 24, 1976).

23rd December, 1977

- 493/Del/77. Mr. D. Kumar. An amusement device.
- 494/Del/77. Mr. D. Kumar. An amusement device.
- 495/Del/77. Council of Scientific and Industrial Research. Improved process for the preparation of urea nitrate.
- 496/Del/77. Toyota Jidosha Kogyo Kabushiki Kaisha. A 2-cycle engine of an active thermostatmosphere combustion type.

- 497/Del/77. Molycorp, Inc. Preparation of rare earth and other metal alloys containing aluminum.

- 498/Del/77. Dorr-Oliver Incorporated. Incineration of lime-conditioned sewage sludge with high sulfur fuel.

- 499/Del/77. Societe DES Electrodes ET Refractaires Savôie and Societe Europeenne DES Produits Refractaires. A new refractory lining for furnaces.

- 500/Del/77. Sir Padampat Research Centre (A division of J. K. Synthetics Limited). Recovery of caprolactam from wash water residue (oligomers) of nylon 6.

- 501/Del/77. Bharat Heavy Electricals Ltd. A device.

- 502/Del/77. Bharat Heavy Electricals Ltd. A generator system for obtaining an electrical power.

- 503/Del/77. Bharat Heavy Electricals Limited. A new type of a cobined high pressure and intermediate pressure reheat turbine cylinder.

26th December, 1977

- 504/Del/77. Aluminium Pechiney. Method of obtaining pure alumina by acid attack on aluminous minerals containing other elements.

- 505/Del/77. Miller Weblift Limited. Improvements in or relating to flexible containers. (January 10, 1977).

- 506/Del/77. Clarke Chapman Limited. Panel and structure. (January 11, 1977).

- 507/Del/77. Christopher Tillotson Brown, Douglas Neil Foster and Unisearch Limited. An improved unit for wave energy absorption. (December 30, 1976).

- 508/Del/77. Coronation Sporting Ball Company. Improvement relating to inflatable balls.

## APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

26th December, 1977

- 197/Mas/77. T. V. Ananthanarayanan. Improvements in or relating to attachment for vehicles such as motor-bikes bicycles, scooters, mopeds and the like.

27th December, 1977

- 198/Mas/77. Mrs. Esther Kasthuribai Edward. Improvement in or relating to footwear.

28th December, 1977

- 199/Mas/77. H. R. Sathiadass Andrew. A relay circuit for protecting electrical equipment.

30th December, 1977

- 200/Mas/77. IDL Chemicals Limited. A water gel slurry explosive.

- 201/Mas/77. S. P. Ramasamy. A drier.

3rd January, 1978

- 1/Mas/78. J. Mathew and M. Mathew. Improvements in or relating to a process of preparation of matings, or carpets and a device for the same.

4th January, 1978

- 2/Mas/78. Shri V. Raman. An integrated device for clamping and locking of a crash helmet to any type of vehicle.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classification given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F<sub>2</sub> a. 143789.  
Intt. Cl.-C07c 135/00.

#### PREPARATION OF PESTICIDAL BENZYL ESTERS.

*Applicant* : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF 30, CAREL VAN BYLANDT-LAAN, THE HAGUE, THE NETHERLANDS.

*Inventors* : ROGER ARTHUR SHELDON, PETER BEEN, DEREK ALEXANDER WOOD, AND RONALD FRANK MASON.

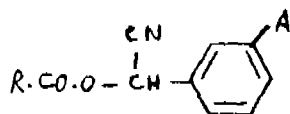
Application No. 291/Cal/77 filed February 28, 1977.

Convention date March 1, 1976/(08044/76) (08045/76) (08046/76) U.K.

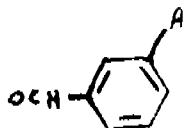
Appropriate office of opposition proceedings date 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims.

Process for the preparation of an ester of the general formula II.



wherein R is an optionally substituted alkyl or cycloalkyl group and A is phenoxy, phenylthio or benzyl, which comprises reacting a benzaldehyde of the formula III.



wherein A is as defined above with an acyl halide of the formula R. CO. Hal (wherein Hal is bromide or Chloride) in the presence of water, a water-soluble cyanide, a substantially water-immiscible aprotic solvent and a phase transfer catalyst.

CLASS 172C. 143814.  
Int. Cl. DO1g 15/40.

#### IMPROVEMENTS IN FIBRE PROCESSING MACHINES.

*Applicant* : THE ENGLISH CARD CLOTHING COMPANY LIMITED, OF ACRE STREET, LINDLEY, MUDERSFIELD, YORK, ENGLAND.

*Inventors* : KEITH CRIMSHAW & ROY TAYLOR.

Application No. 2469/Cal/74 filed November, 8, 1974.

Convention date November 10, 1973 (20672/74) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims.

An assembly for use in a fibre processing machine, in association with a rotary element of the machine, comprising

a non-rotary element and a series of at least three individual mounting arrangements at longitudinally spaced apart positions along the length of the non-rotary element these mounting arrangements being adapted to support the non-rotary element from the frame of the machine or a part or parts fixed to the frame in a position adjacent to the periphery of the rotary element at least one of the mounting arrangements being connected to the non-rotary element so as to be capable of use to adjust the relative displacement between only the part of the non-rotary element in the region of the mounting arrangement and the rotary element when the assembly is on the machine.

CLASS 32F<sub>2</sub> a & F<sub>2</sub>b & 40B. 143815.  
Int. Cl. B01j 11/00.

#### PROCESS FOR THE PRODUCTION OF NOVEL CATALYST COMPOSITIONS FOR CARRYING OUT OXIDATION REACTIONS.

*Applicant* : THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

*Inventors* : SERGE ROMAN DOLHYJ, 2) ERNEST CARL MOLGERGER, 3) AND NOEL JEROME BREMER.

Application No. 2825/Cal/74 filed December 21, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the production of a catalyst composition for carrying out oxidation reaction consisting of oxides or oxide complexes wherein at least 50% of the atmos other than oxygen and support are molybdenum, vanadium and tungsten, plus uranium, thorium or mixture thereof, plus optionally one or more of Fe, Co, Ni, Zn, Cu, Mg, Mn, Bi, Ti, Zr, Sn, P, an alkali metal, an alkaline earth metal, lanthanum or an element of the lanthanoid series, which process comprises mixing the catalyst ingredients such as herein described in desired amounts in an aqueous mixture, drying the resulting aqueous slurry and calcining the product and, if desired, supplying a support material as herein defined to the catalyst forming zone and forming the catalyst therefrom.

CLASS 144E. 143816.  
Int. Cl. C09g 1/00; C09d 5/00.

#### RESIN COATED METAL SUBSTRATES AND A METHOD FOR THE MANUFACTURE THEREOF.

*Applicant* : HOECHST AKTIENGESellschaft, OF 6230 FRANKFURT/MAIN-80, GERMANY.

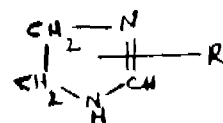
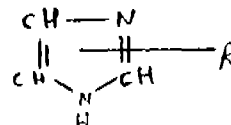
*Inventors* : GERHARD JOHANNES, 2) ERWIN GEMMER, 3) HANS-JOACHIM KONIG, & GUNTER REINHARD.

Application No. 184/Cal/75 filed January 30, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

35 Claims.

An article comprising a metal substrate in the form of a pipe, said substrate being coated with a hardened epoxy resin composition formed by reaction of A) a solid epoxy resin based on the reaction product of epi-chlorohydrin and a compound selected from the group consisting of 4, 4'-di-phenylolpropane, 4, 4'-diphenylolmethane and a mixture thereof, with B) an imidazole derivatives such as a compound of formula I Or II.



in an amount of from 1 to 12% by weight based on the epoxy resin (wherein R represents an allyl group having 1 to 6 carbon atoms, or an aromatic hydrocarbon residue with 6 to 10 carbon atoms), both components A) and B) being present before their reaction in admixture with C) a flow agent such as herein described, D) a thixotropic agent such as herein described and optionally E) a pigment such as herein described.

CLASS 143D, & D<sub>1</sub>. 143817.

Int. Cl. B65b 23/02.

PACKING MATERIAL AND PACK FOR PACK GING FRAGILE ARTICLES.

*Applicant* : & *Inventor* : TONI CASUTT, OF KIRCHWEG 45, 8102 OBERENGTRINGEN, SWITZERLAND.

Application No. 409/Cal/75 filed March 4, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 17 Claims.

A packing material for fragile articles, in particular eggs, characterised by a plurality of vague parallel supporting ways extending in the longitudinal direction of the packing material and comprising a corrugated band and a strip-like covering band fixed, thereto, the covering band being intended for disposition on the outside of the packing when in use, the supporting webs connecting with one another only on the tops of the corrugations at fold lines whereby the supporting webs are capable of being placed around the articles to be packed by bending along the said fold lines, the wavelength of the corrugations of the corrugated band being adapted to determine the pitch distance of the articles to be packed.

CLASS 155F<sub>2</sub>. 143818

Int. Cl. C09k 3/28.

A PROCESS FOR PREPARING A NEW FIRE EXTINGUISHING MATERIAL FOR EXTINCTION OF FIRES IN FLAMMABLE LIQUIDS.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : DR. GOVIND RAV NAGOJI RAV BADAMI & SHRI TRIBHUVAN PATI SHARMA.

Application No. 837/Cal/75 filed April 26, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 6 Claims. No drawings.

A process for preparing fire extinguishing material for extinction of fire in flammable liquids which comprises mixing of exfoliated vermiculite of 0.12 to 0.16 specific gravity and particle size of 4mm to 5 mm with one or more fire inhibiting agents such as herein described and wetting the same with water.

CLASS 172C<sub>1</sub>. 143819.

Int. Cl. D01g 15/28.

IMPROVEMENTS IN OR RELATING TO CARDING PLATE ASSEMBLY.

*Applicant* : THE ENGLISH CARD CLOTHING COMPANY LIMITED, OF ACRE STREET, LINDLEY, Huddersfield, YORKSHIRE, ENGLAND.

*Inventor* : ROY TAYLOR.

Application No. 931/Cal/75 filed May 9, 1975.

Convention date May 10, 1974 (20672/74) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 19 Claims.

A stationary carding plate assembly comprising a support frame arranged so that when secured to the stationary frame of the carding machine it extends over the part of the machine occupied by the swift or cylinder and being sufficiently rigid to resist normal operating loads of the carding action which might be applied to it without appreciable deflection, and one or more arcuate plates which support card clothing or other carding media on the concave side, the plate or plates being suspended from the support frame.

CLASS 136C & F & M. 143820.

Int. Cl. B29h 17/16, 17/38.

DOUBLE SEALED CHAMBER MOULD FOR CURING COVERED PNEUMATIC TYRES.

*Applicant* : METEC AG, MECHANIK UND TECHNIK OF 9100 HERISAU, SWITZERLAND.

*Inventor* : CARLO MARANGONI.

Application No. 958/Cal/75 filed May 13, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims.

Double sealed chamber mould for curing covered pneumatic tyres, including a horizontal axis drum, provided with an intermediate partition wall, splitting it into two cylindrical chambers having a configuration like circular crowns, being internally delimited by a tubular member having a length equal to that of the drum, each of the said chambers being closed by a door hinged to said drum and showing internally a configuration like a circular crown, delimited by an annular coaxial projection.

CLASS 62C<sub>1</sub>. 143821.

Int. Cl. D06p 5/04; 5/14; D06g 1/02.

VARIEGATED FIBRES, FILAMENTS AND YARNS.

*Applicant* : ROHM AND HAAS COMPANY, OF INDEPENDENCE MALL WEST, PHILADELPHIA, UNITED STATES OF AMERICA.

*Inventors* : JUDITH MAYER.

Application No. 356/Cal/75 filed February 25, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims.

A process for preparing a variegated polyester fibre, filament or yarn which comprises non-uniformly applying to a spool of undrawn, or partially drawn polyester fibre, filament or yarn a liquid consisting of or containing in solution a compound such as herein described which alters the affinity of the fibre, filament or yarn for dyestuffs and subsequently dyeing the treated fibre, filament or yarn.

CLASS 32A<sub>2</sub>. 143822.

Int. Cl. C08f 45/66; 47/24.

PROCESS FOR THE PURIFICATION OF CRUDE POLYHALO COPPER PHTHALOCYANINES.

*Applicant* : HOECHST AKTIENGESellschaft, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : FRIEDRICH ISCHE, & ERNST SPIETSCHKA.

Application No. 1592/Cal/75 filed August 14, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

A process for purifying polyhalo copper phthalocyanines which comprises treating crude polyhalo copper phthalocyanines in concentrated sulfuric acid with a peroxo compound or addition compounds of hydrogen peroxide such as herein described at a temperature of 20 to 120°C.

CLASS 48D., 143823.

Int. Cl. H01b 13/00.

IMPROVEMENTS IN OR RELATING TO SPLIT CABLE-SLEEVES.

*Applicant* : SIEMENS AKTIENGESSELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventor* : WOLFGANG GIEBEL, 2) HERBERT KRAUSE & HANS-JURGEN MELTSCH.

Application No. 2360/Cal/75 filed December 18, 1975.

Convention date September 16, 1975 (38093/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A split cable-sleeve made of a thermoplastics material and comprising two half-shells and sealing means arranged at least one end of respective half-shells, said sealing means being formed at least partially integrally with respective half-shells and comprising a plurality of ribs arranged sequentially in the axial direction of the sleeve and having a cable entry opening arranged therein.

CLASS 136C &amp; H &amp; M. 143824.

Int. Cl. -B29h 3/14, B30b 5/02.

TIRE PRESS UNLOADER.

*Application* : NRM CORPORATION, OF 47, WEST EXCHANGE STREET, AKRON, OHIO 44308, UNITED STATES OF AMERICA.

*Inventors* : DALE STANTON BARTON, BEN STOYANOV AND ROBERT MOODY STAATS.

Application No. 1936/Cal/75 filed October 8, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

39 Claims.

A tire unloader for a tire press comprising a platform, an elevator stanchion pivotally supporting said platform said stanchion being pivotally mounted at the base of the press for swinging the platform into the press when open, and a support underlying the distal end of the said platform to rigidify the same when in position to receive the tire in the press.

CLASS 136C &amp; H &amp; M. 143825.

Int. Cl.-B29h 5/02, B30b 5/02.

GREEN TIRE LOADER.

*Applicant* : NRM CORPORATION, OF 47 WEST EXCHANGE STREET, AKRON, OHIO 44308, UNITED STATES OF AMERICA.

*Inventors* : DALE STANTON BARTON AND STEPHEN PAUL YENDRICH, JR.

Application No. 1937/Cal/75 filed October 8, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

30 Claims.

A loader for a tire press comprising two upstanding tracks, an elevator frame mounted on and extending between said tracks for vertical movement therealong, a chuck frame mounted on said elevator frame for horizontal movement and supporting at least one tire chuck, and drive means interconnecting said elevator frame and chuck frame to move the latter horizontally.

CLASS 33F.

145826.

Int. Cl.-B22c 9/08.

MOLD STOPPER.

*Applicant* : AMSTED INDUSTRIES INCORPORATED, OF 3700 PRUDENTIAL PLAZA, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

*Inventors* : LOUIS SANDOR, ANDREW GERALD GERMAIN, DONALD RAY WILES AND RONALD A. FILIPINI.

Application No. 2020/Cal/75 filed October 18, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A mold structure comprising, in combination, a mold assembly including a cope and a drag defining therebetween a cavity shaped for forming the desired molded article, said drag having an ingate in its bottom, said cope having an opening aligned above said ingate, and a stopper assembly mounted in said cope for stopping the filling of the mold cavity and for preventing reverse flow of metal out of the filled mold cavity, said stopper assembly including a mounting spider having a mounting ring securely mounted in said opening and a segmented center spool within said ring having an inner bore and defined by a fixed segment fixedly secured relative to said ring and a movable segment radially movable relative to said fixed segment, biasing means biasing said movable segment radially inwardly, and a stopper including a stopper plunger having an outer diameter larger than the width of said bore so as to bias said movable segment outwardly against the return bias of said biasing means, and a stopper washer carried at the lower end of said stopper plunger within said cavity adapted to seal against said ingate.

CLASS 62D.

143827.

Int. Cl.-D061 1/20.

APPARATUS AND METHOD FOR TREATING, FOR EXAMPLE DRYING, CLEANING AND/OR EQUALIZING A TEXTILE WEB.

*Applicant* : BRUGMAN MACHINEF ABRIEK B.V. OF 15, KOLTHOFSINGEL, ALMELO, THE NETHERLANDS

*Inventor* : HANS BRUGMAN.

Application No. 2069/Cal/75 filed October 28, 1975.

Convention date September 8, 1975/(36842/75) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An apparatus for treating, for example drying, cleaning and/or equalizing a textile web, said apparatus comprising driving members for the supply and discharge of the web, whilst between the latter member, means are present for performing the aimed treatment, wherein the treatment means consist of a nozzle, arranged transverse to the direction of advance of the web, said nozzle being provided with a narrow slit or holes, and being positioned in such a manner that the driving members urge the web against it while within the nozzle a treatment medium is supplied under overpressure causing this medium to issue from the nozzle and flow through the web at about the speed of sound.

CLASS 14C.

143828.

Int. Cl.-H01m 27/00.

PRESSURIZED FUEL CELL POWER PLANT.

*Applicant* : UNITED TECHNOLOGIES CORPORATION, AT 1, FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, UNITED STATES OF AMERICA.

*Inventors* : MICHAEL BERNARD LANDAU, RONALD COHEN AND DAVID PETER BLOOMFIELD.

Application No. 123/Cal/76 filed January 22, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 18 Claims.

A power plant for generating electricity comprising : a fuel cell stack including a plurality of fuel cells connected electrically in series through a load, each cell comprising a cathode electrode, an anode electrode, an electrolyte disposed therebetween, a cathode gas space on the nonelectrolyte side of said cathode electrode and an anode gas space on the nonelectrolyte side of said anode electrode; characterized by compressor means powerable by the energy of a hot pressurized gaseous medium for compressing air to greater than atmospheric pressure;

means for delivering compressed air from said compressor means into said cathode gas space;

means for delivering pressurized fuel into said anode gas space; and

means for delivering waste energy produced by said power plant into said compressor means in the form of a hot pressurized gaseous medium for powering said compressor means.

CLASS 130D.

143829.

Int. Cl.-C22b 13/02.

IMPROVEMENTS IN OR RELATING TO ELECTROTHERMAL SMELTING OF LEAD FROM LEAD SULPHIDE CONCENTRATES.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

*Inventor* : DR. VISHWANATH ANANT ALTEKAR.

Application No. 324/Cal/76 filed February 24, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A process for electro-thermal smelting of lead from lead sulphide concentrate which consists in subjecting the mixture of lead sulphide concentrate, iron based reductant and fluxes to obtain the liquid metal, in smelting chamber (furnace) by passing electricity through the electrodes dipping in the charge to melt the charge, which itself is used as a resistor-heater for internal generation of heat, the chamber having a sloping hearth and separating out liquid metal on one side of the chamber by means of vertical partitions and simultaneously allowing the accumulation of liquid metal on one side of the partition and the matter to the portion on another side of the chamber and tapping the accumulated metal on one side and the matter on the other side.

CLASS 48A.

143830.

Int. Cl.-H01b 13/00.

APPARATUS FOR CONTINUOUSLY PRODUCING MARKS ON PLASTIC CABLE SHEATHS.

*Applicant* : STANDARD TELEPHONES AND CABLES LIMITED, OF 190 STRAND, LONDON, W.C.2., ENGLAND.

*Inventors* : HANS KAISER, ERNST KONNERTH AND GERT KRAMER.

Application No. 509/Cal/76 filed March 23, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

Apparatus for continuously producing raised marks on plastic cable sheaths which is disposed in the immediate vicinity of the screw extruder producing the cable jacket and consists of at least one rotatable drum which is disposed on one side of the cable emerging from the screw extruder and whose circumferential surface coming into contact with the cable surface is provided at regular intervals with marks or depressions corresponding to the outlines of said marks and/or with an automatically advancing counting mechanism, and to which is connected a container which contains coloured plastic powder and whose outlet rests on the surface of the drum in the area of the marks, in which the drum(s) at least one of which is driven by means of a stepper motor controlled synchronously with the cable takeoff speed, is (are) vertically adjustably attached to swivel arms which are mounted on a carriage provided with lockable wheels and are capable of

being pneumatically applied to the cable, and in which the supply of the coloured plastic powder to the depressions is from a powder container which is disposed in the carriage and connected via two pipes to a swivelling filling head located in the area of the marks on the drum surface and resting against the drum surface under mechanical pressure.

CLASS 67C.

143831.

Int. Cl.-H02m 7/95.

CONTROL CIRCUITRY FOR A.C. CHOPPER.

*Applicant* : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventors* : HELMUT GLASER AND LUDWIG SCHICK.

Application No. 526/Cal/76 filed March 26, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims.

Control circuitry for an a.c. chopper, the control circuitry comprising : a push-pull oscillator including an output pulse repeater or transformer to which are connected full-wave rectifiers for supply chopper pulses each of which consists of a series of full-wave rectified oscillations from the push-pull oscillator; a bistable trigger stage for turning the push-pull oscillator on and off in dependence upon pulses at a control input to the bistable trigger stage; and synchronising circuitry for providing that the push-pull oscillator is turned-on in a predetermined polarity half-cycle of the chopper alternating voltage, and turned-off in an opposite-polarity half-cycle of the chopper alternating voltage.

CLASS 69A.

143832.

Int. Cl.-H01h 75/00.

CIRCUIT INTERRUPTER.

*Applicant* : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventors* : THEODORE GOGNIAT AND JOHN FRANCIS COTTON.

Application No. 557/Cal/76 filed March 31, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A circuit interrupter comprising a first stationary contact, a second stationary contact separated from said first stationary contact, bridging contact means an elongated contact arm, having said bridging contact means attached thereto, pivotal about an axis between a closed position wherein said bridging contact means completes an electric circuit between said first stationary contact and said second stationary contact and an open position wherein said bridging contact means is spaced apart from said first stationary contact and said second stationary contact, primary latch means connected to said elongated contact arm when in a latching position latching said elongated contact arm in the closed position, a secondary latch in a latch position keeping said primary latch means in the latching position, and, bimetal actuating means comprising an elongated bimetal held relatively stationary at one end and at the other end responsive to current flow therethrough and ambient oil temperature for unlatching said secondary latch when current flow through the circuit interrupter exceeds a trip level constructed to have a higher power dissipation in proximity to the relatively stationary end than in proximity to the deflecting end.

CLASS 104F &amp; N &amp; 152E.

143833.

Int. Cl.-B29d 7/00, C08f 29/04.

POLYETHYLENE MIXTURE FOR THE MANUFACTURE OF SEMICONDUCTIVE FILMS FOR BAGS AND SACKS.

*Applicant* : HOECHST AKTIENGESellschaft, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : SIEGFRIED BORK AND GEORG SAM.

Application No. 643/Cal/76 filed April 15, 1976.

## 14 Claims. No drawings.

A polyethylene mixture for the manufacture of semi-conductive films for bags and sacks having a surface resistance of less than  $10^9 \Omega$  and good mechanical properties, which contains a) from 60 to 84% by weight of polyethylene having a density of 0.915–0.930 g/cm<sup>3</sup>, or of a copolymer of ethylene containing up to 5% by weight of comonomers, b) from 7.5 to 30% by weight of a saturated or weakly unsaturated rubber, and (c) from 8.5 to 15% by weight of carbon black, and optionally usual additives such as stabilizers, processing auxiliaries or lubricants, wherein the carbon black has a BET surface of from 300 to 1500 m<sup>2</sup>/g, an oil absorption of from 2.5 to 6.5 ml/g, a content of volatile substances of from 0.1 to 6.0% by weight a pH of from 7 to 10, and an ash content of from 0.5 to 5.0% by weight.

CLASS 173B.

143834.

Int. Cl.-B05b 1/00.

## DEVICES FOR CONTROLLED RELEASE OF VAPORS.

*Applicant* : ALBANY INTERNATIONAL CORP., AT 1373 BROADWAY, ALBANY, NEW YORK 12201, U.S.A.

*Inventors* : MYRON JULIUS COPLAN, AND THOMAS WILLIAM BROOKS.

Application No. 724/Cal/76 filed April 26, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 15 Claims.

A device for dissemination of a vaporizable material at a predetermined rate by vapor diffusion, comprising at least one elongated capillary conduit of predetermined cross sectional area and length, said capillary conduit containing a vaporizable substance, having a sealed region and being adapted for severance at a second region to cause a stagnant gas layer to overlie said vaporizable substance, whereby said substance is caused to diffuse through said stagnant gas layer.

CLASS 32E &amp; 152E.

143835.

Int. Cl. -C08f 3/30.

## PREPARATION OF POLYVINYL CHLORIDE.

*Applicant* : RHONE-POULENC INDUSTRIES, OF 22, AVENUE MONTAIGNE, 75 PARIS (8TH), FRANCE.

*Inventor* : THOMAS KEMP.

Application No. 744/Cal/76 filed April 28, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims. No drawings.

A method of preparing polymers of vinyl chloride, comprising polymerizing the corresponding monomer or monomers such as herein described in micro-suspension in the presence of a seeding product such as herein described in the form of a dispersion of particles of a vinyl polymer previously prepared by polymerization in micro-suspension, in which the particles of the dispersion contain at least one initiator soluble in organic material such as herein described, in which no complementary addition of initiator is made, and characterised in that the polymerization is carried out in the presence of one or more other seeding products such as herein described in the form of dispersions of particles of vinyl polymer, the size of which differ from one another and from the particle size of the first seeding product.

CLASS 70C & C<sub>a</sub>.

143836.

Int. Cl.-B44c 1/04. C23b 3/02.

## IMPROVEMENTS IN OR RELATING TO PROCESS FOR THE ELECTROCHEMICAL MARKING OF METALS.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : DR. SANKARAN GURUSWAMY, POKKYA-RATH JAYAKRISHNAN, NELLAYAPPAN SHARMUGAM AND RAMASWAMY RAJAGOPAL.

Application No. 923/Cal/76 filed May 27, 1976.

Addition to No. 118256.

## 7 Claims. No drawings.

An improved process for electrochemical markings of metals wherein as electrolytes there is used a solution of sulphates of sodium and iron in the concentration range of 8-15% of sodium sulphate and 1 to 2% of ferrous sulphate using a Direct Current voltage in the range of 15 to 20 V. for 1-2 mts.

CLASS 187C<sub>a</sub>.

143837.

Int. Cl.-H04m 3/56.

## CONFERENCE CIRCUIT FOR TELEPHONE EXCHANGES OF NUMERICAL TYPE.

*Applicant* : SOCIETA' ITALIANA TELECOMUNICAZIONI SIEMENS S.P.A., PIAZZALE ZAVATTART 12, 20149 MILANO, ITALY.

*Inventors* : AMILCARE BOVO AND GIUSEPPE VALSECCHI.

Application No. 1055/Cal/76 filed June 16, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

A conference circuit for telephone exchange of numerical type designed to enable dialogue among at least three users whose codes in compressed form are forwarded, by the switching circuits of the telephone exchange, to the point of the conference circuit, characterized in that it comprises :

an input unit (UI) designed to store the codes of the users taking part in the conference;

a pre-processing unit (UP) comprising two pairs of registers to which two pairs of codes are transferred from the input unit (UI), the bits representing the segment length and the sign being stored in one register, while the significant bits are stored in the other register; the said pre-processing unit (UP) performing local linearization by causing shifting of the significant bits belonging to the code with the shortest segment is associated, a number of steps equal to the segment difference  $\Delta$ , (or  $\Delta-1$  if the shortest length=0);

a first processing unit (UT) designed to compute the segment length difference of the pair of codes being processed;

a second processing unit (US) designed to compute the sum of the said significant bits when the sign bits of the two codes are equal to one another, and is also arranged to compute the difference between the said significant bits when the sign bits of the two codes differ from one another;

an output unit (UU) designed to generate the output signal of the conference circuit;

an operational unit (UO) for controlling the processing operations in the above-mentioned units.

CLASS 83B<sub>a</sub>.

143838.

Int. Cl.-A231 1/30.

## PROCESS FOR PREPARING A NUTRITIONAL COMPOSITION.

*Applicant* : CONTROL DRUG, INC. OF 20, MARKLEY STREET PORT READING, NEW JERSEY 07064, UNITED STATES OF AMERICA.

*Inventors* : AROND MURRAY GANS ALVIN JOSHUA GORREN AND ELI MITCHELL GORENERG.

Application No. 1974/Cal/76 filed October 29, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims. No drawings.

A process for preparing a nutritional composition which comprises mixing essentially about 5 to 75 parts by weight hydrolyzed gelatin, about 0.02 to 0.75 parts by weight of

tryptophane, about 0.1 to 2 parts by weight of a sweetener, such as herein described, and about 5 to 100 parts by weight of an ingestible carrier, such as herein described.

CLASS 170B.

143839.

Int. Cl.-C11d 9/00.

#### PRODUCTION OF DETERGENT COMPOSITIONS.

*Applicant* : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400020, INDIA.

*Inventor* : UNILEVER LIMITED.

Application No. 0141/Bom/75 filed May 29, 1975.

Convention date May 30, 1974/(23949/74) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims. No drawings.

An improved process for making a particulate detergent composition comprising a detergent compound, an alkali metal carbonate detergent builder and calcium carbonate, the improvement comprising first dispersing the calcium carbonate in a finely divided form having a surface area of at least about  $5\text{m}^2/\text{g}$ . in water to which at least some of the detergent compound is added to form a dispersion, followed by adding the alkali metal carbonate and optionally sodium silicate and any remainder of the detergent compound to the said dispersion to form a detergent slurry and thereafter spray drying the said slurry to form the particulate detergent composition.

CLASS 62C.

143840.

Int. Cl.-D06p 3/00.

#### METHOD OF PRODUCING SPECKLED COLOURING EFFECT ON SYNTHETIC TEXTILE MATERIAL.

*Applicant* : THE BOMBAY DYEING & MANUFACTURING CO. LTD., OF NEVILLE HOUSE, GRAMAM ROAD, BALLARD ESTATE, BOMBAY.

*Inventor* : ASWIN VENILAL CHINIWALLA.

Application No. 45/Bom/76 filed February 6, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims. No drawings.

A method of producing speckled colouring effect on synthetic textile materials such as aromatic polyester, polyamide, cellulose acetate and cellulose triacetate textile materials comprising making a paste of the crude disperse dyestuff and a lubricant such as herein described encapsulating the same by interfacial polymerising system using polyvinyl alcohol to produce capsules of the disperse dyestuff having the polyvinyl alcohol as the membrane, printing the encapsulated disperse dyestuff on the fabric, using a recipe as herein described and developing the print with steam under pressure.

CLASS 32F<sub>1</sub> & F<sub>3a</sub>.

143841.

Int. Cl.-C07c 103/00.

#### PROCESS FOR THE PREPARATION OF CIS-CLOMIPHENE CITRATE AND TRANSCLOMIPHENE CITRATE IN THE RATIO OF 3 : 2.

*Applicant* : AR-EX LABORATORIES PVT. LTD., BOTALA BUILDING, 21, SITALADEVI TEMPLE ROAD, MAHIM, BOMBAY-400 016, STATE OF MAHARASHTRA, INDIA.

*Inventor* : NARAYAN VISHWANATH GUNJIKAR.

Application No. 77/Bom/76 filed March 5, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim. No drawings.

A process for the preparation of mixture of Cis-Clomiphene Citrate and Trans-Clomiphene Citrate in the ratio of 3 : 2 comprising reacting Clomiphene Citrate with Sodium

Hydroxide solution to obtain free Clomiphene, extracting the said free Clomiphene with a solvent such as ether, washing the extracted free Clomiphene with water, drying the extract, dissolving the said residue in Carbon disulphide, refluxing the solution in a reflux condenser at  $60^\circ\text{C}$ . for complete dissolution of the said residue, evaporating the residue in an open pan evaporator, obtaining separate crops of Cis-Clomiphene and Trans-Clomiphene by fractional crystallisation of the evaporated residue, preparing a mixture of 3:2 Cis-Clomiphene to Trans-Clomiphene by infra-red spectroscopy and reacting the said mixture with citric acid to obtain Cis-Clomiphene Citrate and Trans-Clomiphene Citrate in the ratio of 3:2.

CLASS 205G & H & I.

143842.

Int. Cl.-B60b 25/00.

#### IMPROVED RIM AND TYRE ASSEMBLY FOR USE ON VEHICLE WHEELS.

*Applicant* : FIRESTONE TYRE & RUBBER CO., OF INDIA, PRIVATE LTD., OF HAY BUNDER ROAD, SEWREE, BOMBAY-33, MAHARASHTRA, INDIA.

*Inventor* : DR. GEORGE THENTHRATHU VERGHESE.

Application No. 344/Bom/76 filed October 7, 1976.

Addition to No. 120326.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

12 Claims.

An improved or modified rim and tyre assembly for the wheels of animal-drawn or manually drawn carts and vehicles as claimed in any of claims 1 to 14 of Indian Patent No. 120326 characterised in that the rim of "U" or channel section is split into two substantially equal halves along the entire periphery of its circumference each such half being provided at or near its outer edge with securing means for securing the half-rim to the wheel of the vehicle.

CLASS 39C & 123.

143843.

Int. Cl.-C01b 25/28, C05b 7/00.

#### PROCESS FOR PRODUCING A GRANULAR AMMONIUM PHOSPHATE.

*Applicant* : FISONS LIMITED, OF FISON HOUSE, 9 GROSVENOR STREET, LONDON, ENGLAND.

*Inventors* : IAN CLIVE HEPWORTH AND ILIA PODILCHUCK.

Application No. 2876/Cal/74 filed December 30, 1974.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process for producing a granular ammonium phosphate having an  $\text{NH}_3 : \text{H}_3\text{PO}_4$  molar ratio of from 1.6 : 1 to 2.1 : 1 which comprises agitating or tumbling a bed of particles comprising a powder ammonium phosphate and if desired a fertiliser salt or compound other than ammonium phosphate, said ammonium phosphate having been obtained by reacting phosphoric acid containing less than 60%  $\text{P}_2\text{O}_5$  with ammonia under pressure above atmospheric pressure to give a fluid ammonium phosphate having an  $\text{NH}_3 : \text{H}_3\text{PO}_4$  molar ratio of 0.8:1 to 1.4:1, containing 4-20% by weight of water, at its boiling point, and subsequently expelling the fluid ammonium phosphate into a zone at a lower pressure thereby reducing the water content of the fluid to give a solid powder ammonium phosphate in the presence of a fluid comprising a slurry or solution of ammonium phosphate in water, and feeding ammonia to the bed of particles during agitation or tumbling whereby the overall  $\text{NH}_3 : \text{H}_3\text{PO}_4$  molar ratio of the ammonium phosphates in the mixture being agitated or tumbled is raised to a value of from 1.6:1 to 2.1:1.

CLASS 152E & 155E.

143844.

Int. Cl.-C08b 23/00, D06m 13/00.

#### TREATED FIBER AND PROCESS FOR PRODUCING THE SAME.

*Applicant* : MONSANTO COMPANY, OF 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166, UNITED STATES OF AMERICA.



*Inventor* : PARVIZ (NMN) HAMED.

Application No. 508/Cal/75 filed March 14, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims. No drawings.

A treated fiber comprising discontinuous cellulose fiber such as herein defined, plastic polymer in an amount of from 2 to 50 parts by weight per 100 parts by weight of fiber to reduce fiber-to-fiber affinity, and lubricant of molecular weight greater than 95 adsorbed by the fiber in 5-60 parts per 100 parts by weight of fiber to enhance receptiveness of the fiber to the polymer.

CLASS 70B & C.

143845.

Int. Cl.-C23b 7/08.

IMPROVEMENTS IN OR RELATING TO THE PROCESS FOR THE SURFACE PREPARATION OF MANDRELS WITH NICKEL-TIN ELECTRODEPOSIT FOR ELECTROFORMING ARTICLES.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-1, INDIA.

*Inventors* : BALKUNJE ANANTHA SHENOI AND SUBIAH JOHN.

Application No. 590/Cal/75 filed March 24, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

1 Claim. No drawings.

A process for the surface preparation of mandrels with nickel-tin electrodeposit for electroforming of articles which comprises the steps of mechanical polishing and buffing of copper, brass or steel mandrel, degreasing with a solvent such as trichloroethylene, electrolytic cleaning in an alkaline solution, acid dipping and subsequent plating of nickel-tin alloy deposit from an aqueous solution containing nickel chloride 250-300 g/l, stannouschloride 50 g/l, ammonium fluoride 35 g/l, ammonium bifluoride 35-55 g/l, ammonium chloride 50 g/l, sodium fluoride 30 g/l, ammonium hydroxide or hydrochloric acid or hydrofluoric acid to pH 2.0-2.5 at a temperature of 60-70°C, at a current density of 2-4 A/dm<sup>2</sup> and then electroforming copper, nickel and iron from conventional electroforming baths on the mandrel as prepared above and finally separating or removing the electroformed article from the mandrel.

CLASS 129Q.

143846.

Int. Cl.-H01r 5/04.

143846.

METHOD OF CONNECTING TWO MEMBERS.

*Applicant* : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventor* : RICHARD SCHULZ.

Application No. 968/Cal/75 filed May 14, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims.

A method of connecting two members such as in a low-voltage HRC fuse where on the members has projections formed thereon at the point of connection and wherein the two members are brought together and welded and at the point of connection one of the members is coated with silver.

CLASS 16A & 67A.

143847.

Int. Cl.-G08b 3/00.

SPARKLESS WARNING BELL.

*Applicant & Inventor* : KALYAN KUMAR BOSE TRADING AS ELECTRIC CONTROL DEVICES CORPORATION, OF NO. 13 NORTH ROAD, CALCUTTA-32, JADAVPUR, WEST BENGAL.  
2-457G1/77

Application No. 1366/Cal/75 filed July 14, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A sparkless warning bell comprising an armature capable of vibrating in the vicinity of the ends of two electromagnets, each electromagnet having a coil wound on same, one end of one coil connected to any one end of the other coil and selected to form an electrical terminal, the other two free ends of the coils connected to two diodes, to the cathode of one and to the anode of the other, the two free ends of the diodes shorted to form the other electrical terminal, the said armature having a hammer attached to it in the usual way and operable between a pair of bell domes or in a single dome.

CLASS 32B.

143848.

Int. Cl.-C07c 1/14, C07c 1/16.

PROCESS FOR THE PRODUCTION OF AROMATIC HYDROCARBONS OF HIGH PURITY.

*Applicant* : SOCIETE FRANCAISE DES PRODUITS POUR CATALYSE, OF 4 AVENUE DE BOIS-PREAU, 92502 RUEIL-MALMAISON (FRANCE).

*Inventors* : BERNARD JUGUIN, JEAN COSYNS, JEAN-FRANCOIS LE PAGE, AND JEAN MIQUEL.

Application No. 1934/Cal/75 filed October 8, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawings.

A process for the production of aromatic hydrocarbons by cyclization, dehydrogenation or dehydrocyclization of an appropriate starting liquid charge consisting of unsaturated or saturated gasolines, or naphthenic hydrocarbons or paraffinic hydrocarbons, which process comprises operating at a temperature of about 450-600°C, at a pressure of about 5-20 kg/cm<sup>2</sup> and at a hourly reaction rate usually in the range of 0.5-10 volumes of liquid charge per volume of catalyst, in the presence of catalyst employed in fixed or movable bed, said catalyst containing a carrier and, by weight with respect to the catalyst carrier,

- (a) 0.005 to 2% of platinum,
- (b) 0.005 to 1% of a metal selected from the group consisting of iridium, rhodium and ruthenium,
- (c) 0.05 to 0.8% of cobalt,
- (d) 0.005 to 1% of at least a fourth metal selected from the group consisting of copper, manganese, silver and gold,
- (e) 0.1 to 10% of at least one halogen.

CLASS 48C & D, & 90G.

143849.

Int. Cl.-C03c 5/00, C23d 5/00, H01c

IMPROVEMENT IN THE PROCESS OF AND MEANS FOR THE EXISTING WHITE COVER COAT, SPARK PROOF ENAMEL ON MILD STEEL OR CAST IRON FOR THE PURPOSE OF MAKING ELECTRICAL RESISTANCE OF DIFFERENT SIZES, SHAPE AND OHMIC VALUES.

*Applicant & Inventor* : ANTHONY THOMAS, 9, SERANG LANE, CALCUTTA-14.

Application No. 340/Cal/77 filed March 8, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process of enamelling as hereinbefore defined of any grade of Cast Iron or Mild steel for the purpose of making electrical resistors of high insulation property, comprising the steps of applying a conventional ground coat and drying it,

then applying a finish coat of about 1 mm thickness of a borosilicate frit composition as herein before described by a suspension of the said glass composition in water and including a mill addition of  $\text{Na}_2\text{CO}_3$  and finally firing the coated article to a temperature of  $800^\circ\text{--}850^\circ\text{C}$ .

CLASS 32E &amp; 40C.

143850.

Int. Cl.-B01f 17/00, 17/52.

A PROCESS FOR MAKING HIGH POLYMERIC DISPERSANTS SUITABLE FOR EFFECTING SEPARATION OF CLAYS AND OTHER MATERIALS CONTAINING ACTIVE HYDROXYL GROUPS ON THE SURFACES PRESENT IN ORES AND MINERALS.

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

*Inventors* : TORUN CHANDRA SAIKIA, GIREESH KUMAR TIKE, JOHNSON PAUL MOYALAN, BANSHIDHAR CHATTARAJ, MITHILESH CHAKRAVARTY, DURGADAS GANGULY, SAMARENDRA NATH DUTTA AND GOPALAKRISHNA THYAGARAJAN.

Application No. 838/Cal/75 filed April 26, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

A process for making high polymeric dispersant suitable for effecting separation of clays and other materials containing active hydroxyl groups and associated with ores and minerals comprises reacting equimolecular proportions of a lower aliphatic aldehyde and sodium sulphite in solution in water at  $40^\circ\text{C}$  to form an addition compound, treating the addition compound formed with phenol at a temperature of  $60\text{--}95^\circ\text{C}$  to form a monomer, polymerising the monomer thus formed with another mole of the aliphatic aldehyde at  $95^\circ\pm 2^\circ\text{C}$  to obtain the final product.

CLASS 39-L.

143851.

Int. Cl.-C01g 45/02.

A PROCESS FOR MANUFACTURING MANGANESE DIOXIDE.

*Applicant* : RHEINISCHE-WESTFAELISCHES ELEKTROZITAEWERK A. G., OF 43 ESSEN KRUPPSTRASSE 5, FEDERAL REPUBLIC OF GERMANY.

*Inventors* : PETER FABER AND JEAN BRENET.

Application No. 1990/Cal/75 filed October 15, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawing.

A process for the production of manganese dioxide, in which a low-valency oxide of manganese, more particularly the trivalent oxide of manganese, is converted to quadrivalent manganese and soluble divalent manganese by disproportionation with a halogen peroxy-acid, more particularly perchloric acid, characterised in that the oxide of manganese is simultaneously treated with ozone (during the treatment with one or more peroxy-acids).

CLASS 32F.b.

143852.

Int. Cl.-C07d 85/52.

PROCESS FOR THE PREPARATION OF 1-[-5-(4-H) DROXY-2H-1, 2-BENZOTHAZIN-3-YL]-1, 2, 4-OXADAZOL-3-YL]-METHYL ETHANON S-S-DIOXIDE.

*Applicant* : WARNER-LAMBERT COMPANY, OF 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATES OF AMERICA.

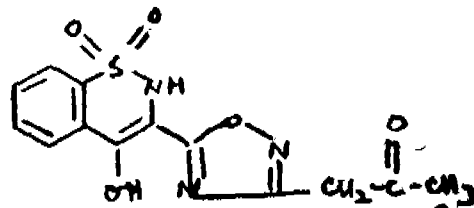
*Inventors* : ARTHUR CHARLES FABIAN, (2) JEROME DANIEL GENZER, (3) CHARLES FRANCIS KASULANIS, (4) JOHN SHAVEL, JR., (5) HAROLD ZINNES.

Application No. 547/Cal/76 filed March 30, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

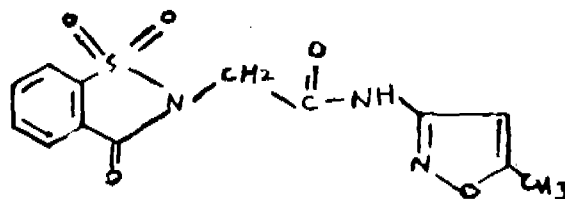
6 Claims.

A process for the preparation of a compound having the formula 111.

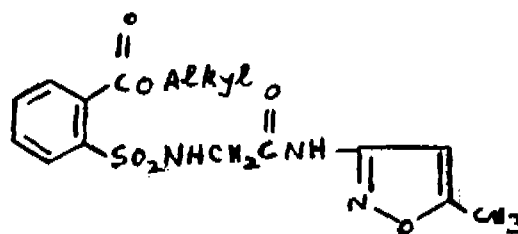


which comprises the following steps :

A. reacting a compound having the formula 1.



with an alkali metal alkoxide of a lower alcohol in an inert solvent at temperatures below about  $30^\circ\text{C}$ . to obtain a compound of the formula 11.



B. reacting compound II with an alkali metal alkoxide of a lower alcohol in an inert solvent at temperatures between about  $60^\circ\text{C}$  and about  $70^\circ\text{C}$ . to obtain the desired compound III.

CLASS 62-C<sub>2</sub>.

143853.

Int. Cl.-D06p 1/02, 1/38, 3/12.

PROCESS FOR DYEING CELLULOSE FIBERS WITH WATER-INSOLUBLE AZO DYESTUFFS PRODUCED ON THE FIBER.

*Applicant* : HOECHST AKTIENGESSELLCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

*Inventor* : HANS-ULRICH VON DER ELTZ.

Application No. 98/Cal/77 filed January 25, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

In a process for dyeing or printing cellulose fibers with azo dyestuffs produced on the fiber by treating with an aqueous liquor or printing paste containing an azoic coupling component, the solution or dispersion of a diazotizable primary aromatic amine, an alkaline agent and sodium nitrite with subsequent acid treatment, the improvement comprising using a diazotizable amine which contains a carboxylic acid ester or amide group.

CLASS 88F &amp; 198D.

143854.

Int. Cl.-B01d 47/06.

PROCESS OF PURIFYING GASES PRODUCED BY A GASIFICATION OF SOLID FOSSILE FUELS BY A TREATMENT WITH WATER VAPOUR AND OXYGEN UNDER SUPERATMOSPHERIC PRESSURE.

*Applicant* : METALLGESELLSCHAFT A.G., OF 16 FRANKFURT A.M. REUTERWEG 14, WEST GERMANY.

*Inventors* : DR. KARL BRATZLER, (2) DR. ALEXANDER DOERGES, (3) DR. GERHARD HOCHGESAND, & (4) DR. MANFRED KRIEBEL.

Application No. 1304/Cal/75 filed July 3, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

A process of purifying gases produced by a gasification of solid fossile fuels by a treatment with water vapour and oxygen under superat-mospheric pressure, which process serves to remove catalyst -deteriorating impurities, such as mono-or polyunsaturated hydrocarbons, mercaptans, HCN, HCl, H<sub>2</sub>S, CS<sub>2</sub>, COS and NH<sub>3</sub>, and to desulfurize the gas by cooling to ambient temperatures and scrubbing the gas under a pressure essentially above the atmospheric pressure and at normal room temperature so as to produce a purified main gas and an exhaust gas from the recovery stages which is rich in H<sub>2</sub>S, in which process the raw gas is indirectly cooled to ambient temperature, the condensed hydrocarbons are separated and removed, the gas is subsequently scrubbed with water to remove ammonia in a first scrubbing stage, in which the water rate is controlled to be just sufficient to remove the ammonia, the gas is then scrubbed with a high-boiling organic solvent such as herein defined, which is miscible with water and to which sulfur is added, in a second scrubbing stage, in which the solvent rate is controlled in dependence on the solubility of the methyl-mercaptan, which is to be removed, in the solvent, the gas subsequently scrubbed with the same solvent in a third scrubbing stage in which the water content of the solvent is kept at 5-30 mole percent H<sub>2</sub>O in which H<sub>2</sub>S and COS are entirely and selectively removed from the gas and wherein the high-boiling organic solvent from the second and third scrubbing stages are separately regenerated and recycled to the second and third scrubbing stages for re-use by a process as described herein.

CLASS 172-C. 143855.

Int. Cl. D01g 15/52.

A METHOD OF PRODUCING SPLITTED SLIVERS FROM JUTE FIRISTER CARD.

*Applicant* : THE DIRECTOR, JUTE TECHNOLOGICAL RESEARCH LABORATORIES, INDIAN COUNCIL OF AGRICULTURAL RESEARCH, 12, REGENT PARK, CALCUTTA-40, WEST BENGAL, INDIA.

*Inventors* : SHRI MATISH CHANDRA MAZUMDER AND SHRI PARTHA SARATHI SENGUPTA.

Application No. 1398/Cal/75 filed July 17, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims.

A method of producing splitted slivers from jute finisher card by splitting the finisher card web from the doffer wherein the pins from the doffer are removed at predetermined places, a plurality of metal rings mounted in the depinned area and a plurality of roll condenser mounted in contact with the said metal rings between the doffer and the drawing roller, the split segments of the web being guided through the existing conductor partitioned in accordance with the number of web segments or through separate conductors and the condensed slivers are collected through the delivery and delivery pressing roller assembly.

CLASS 80F. & 101-B. 143856.

Int. Cl. B01d 35/00. E02b 7/00.

A TRACK OF CONVEYANCE FOR THE TRANSPORT OF FLUENT MATERIAL.

*Applicant* : ESCHER WYSS LIMITED, OF HARD-TRASSE 319, CH-8023 ZURICH, SWITZERLAND.

*Inventors* : HANS ZURRER AND MARTIN BARAM.

Application No. 1628/Cal/75 filed August 21, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

A track of conveyance for the transport of fluent material, such as sludge, along which the material being transported flows or slides by centrifugal force or gravity, the track of conveyance comprising a casing and a weir for selectively blocking such transport, the weir comprising a pressure medium chamber located within the casing of the track and extending across the direction of transport, and a membrane which overlies the chamber and seals it from the material, the membrane having a lowered position, in which it lies along the casing of the track and permits material movement along the track and a raised position to which it is moved by pressure in the chamber and in which it impedes transport of material along the track, the membrane having a first and a second part successive in the direction of transport which are so arranged that, in the lowered position, the first part overlies the second part and effectively isolates it from the material being transported, and, in the raised position, the first part faces in a direction opposite to the direction of transport, whereby material overlying the membrane when the latter is raised is urged in opposite to the transport direction rather than in the transport direction.

CLASS 89. 143857.

Int. Cl. G01n 3/42.

A HARDNESS TESTER FOR METALS.

*Applicant & Inventor* : SURENDER KUMAR VASUDEVA, OF 980, TIMARPUR, DELHI-110007, INDIA.

Application No. 438/Cal/76 filed March 11, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 6 Claims.

A hardness tester apparatus for metal comprising a non-movable supporting surface while under test for supporting the test piece, a frame for supporting a hardened screw, said screw having an axial movement relative to said frame, an indenter assembly held to one end of said screw, and means provided at the opposite operative end of the screw for applying a load.

CLASS 172-C. 143858.

Int. Cl. E05b 67/00.

PADLOCK.

*Applicant & Inventor* : MRS. SHAKUNTALA RAM-CHANDRA DANDEKAR, OF 8, RAILWAY COLONY, SARDAR PATEL ROAD, NEW DELHI-110021, INDIA.

Application No. 1172/Cal/76 filed July 2, 1976.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 3 Claims.

A padlock having a shackle characterised by its shape being substantially like the letter C and its cross section being uniform throughout i.e. without having any slot, collar or hole, and wherein said shackle is slidably housed in the body of the padlock in a complementary slot therein and is adapted to be locked by the latch or bolt in the open gap of the shackle on actuation of the layers by the key.

CLASS 206-E. 143859.

Int. Cl. G11b 17/00.

A SYSTEM FOR PLAYBACK OF A RECORD OF SUCCESSIVE COLOR IMAGES.

*Applicant* : R.C.A. CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK-10020, UNITED STATES OF AMERICA.

*Inventor* : JOHN GORDON AMERY.

Application No. 983/Cal/75 filed May 16, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims.

A system for playback of a record of successive color images, said system including means for deriving during said record playback a color image representative composite video signal including a luminance signal, and a modulated color subcarrier forming achrominance signal having frequencies interleaved with the frequencies of a portion of said luminance signal; including the combination comprising :

a. IH delay line having an input and an output;

means for supplying amplitude modulated carrier waves to the input of said delay line, said modulated carrier wave supplying means being normally responsive to an output of said signal deriving means;

means for utilizing said delay line to effect comb filter separation of said luminance and chrominance signals under normal conditions of operation of said composite signal deriving means; and

means responsive to abnormal conditions of operation of said composite signal deriving means for altering the mode of operation of said modulated carrier wave supplying means such that said modulated carrier wave supplying means is rendered responsive to the output of said delay line to the exclusion of said output of said composite signal deriving means.

CLASS 67-C. 143860.

Int. Cl. H03k 17/56.

## AN IMAGE DEFECT COMPENSATION APPARATUS.

*Applicant* : RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK-10020, UNITED STATES OF AMERICA.

*Inventor* : ALFRED LYNN BAKER.

Application No. 770/Cal/75 filed April 18, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

An image defect compensation apparatus for a video disc player including pickup circuits for developing during playback of a video disc record an FM signal having an instantaneous frequency subject to variation over a given deviation range in accordance with the amplitude of recorded video signals occupying a given frequency band, said Apparatus comprising : a frequency modulation detector coupled to said pickup circuits and responsive to said FM signal; a first low pass filter having a passband substantially matching said given video signal frequency band, and coupled to receive the output of said detector; means for utilizing the output of said first low pass filter to control the display of images; means responsive to the played back FM signal for developing an output pulse indicative of a departure of said instantaneous frequency from said given deviation range; an envelope detector having a resistive load; means for applying the output of said pulse developing means to said envelope detector; a level comparator coupled to said envelope detector; and means responsive to the output of said level comparator for altering the mode of operation of said utilizing means.

CLASS 180. 143861.

Int. Cl. F24c 5/18.

## IMPROVEMENTS IN OR RELATING TO PRESSURE CONTROL VALVES FOR USE IN KEROSENE OIL STOVES/BURNERS OR THE LIKE.

*Applicant & Inventor* : GURDEV SINGH, 61, IDGAH COLONY, AGRA, U.P. INDIA.

Application No. 21/Del/76 filed November 8, 1976.

Post dated to 5th March, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 4 Claims.

A two way valve for regulating and/or controlling the pressure and the quantity of oil for use in kerosene stoves and burners or the like, comprising a metallic block or the valve body with two inlet and one outlet holes located on

two of its different sides and having two independent channels; each of the said channels comprising a male screw with its corresponding female threaded portion in which the said screw operates, each of the said male screw having a conical and resting in the corresponding conical disc seat formed at the end of each female threaded portion, the said two channels leading to a valve junction within the valve body; a plastic knob for operating the said valve and fixed to the top of a spring loaded rod rotatably connected to the valve junction characterised in that at any one time the operation of the valve knob would cause the outlet hole of the valve junction to be connected only to one of the said two channels and further characterised in that the passage of oil inside the valve is restricted only through one or other of the said two independent channels and that the whole arrangement is such that by the simple operation of the valve knob it would change the direction of flow of the oil from one channel into another.

CLASS 107-K.

143862.

Int. Cl. F02b 29/00.

## SNAP VALVE.

*Applicant* : M. M. SURI & ASSOCIATES PVT. LTD., BHANDARI HOUSE, 2ND FLOOR, 91, NEHRU PLACE, NEW DELHI-110024, INDIA.

*Inventors* : JOIS VENKATACHAR SRINIVASA IYENGER, (2) ASHOK KUMAR SHARMA, (3) KASHORI LAL.

Application No. 81/Del/77 filed April 28, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 7 Claims.

A valve mechanism for a two stroke internal combustion engine and adapted to seal the crankcase inlet comprising a guide member having at one end a valve member, said guide member associated with the crankshaft of said engine and having a linear movement corresponding to the rotary movement of said crankshaft and such as to cause an opening and closing of said inlet.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

## (1)

114931 115239 119795 132780 132976 133002 133668 133768  
133887 133892 133912 134051 134212 134360 134475 134654  
134654 134752 134806 134875 135555 135556 135557 135558  
135559 135561.

## (2)

80931 80978 83306 88464 92687 98651 102233 103218 109077  
111003 114536 115246 117052 122631 124896 129354 131792  
132089 133100 133316 133365 133405 133411 133448  
133496 133589 133642 133661 133733 133767 133833 133849  
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## (4)

133127 133284 133577 133684 133954 134269 134799 135186  
135570 135574 135575.

## (5)

108509 132162 132166 132827 132830 132861 133455 133560  
133728 133776 133827 133861 134060 134111 134240 134258  
134371 134456 134629 134737 135338 135573 135577

## (6)

123975 132244 132463 132822 133102 133117 133339 133534  
133783 133800 133803 133865 134024 134054 134132 134147  
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135006 135030 135189 135232 135324 135505 135579 135580  
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## PATENTS SEALED

141119 141120 141122 141389 141537 141541 141545 141552  
141564 141572 141573 141586 141589 141595 141597 141598  
141611 141615 141620 141622 141640 141641 141712 141769  
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141944 141945 141947 141949 141950 141951 141988 142006  
142173

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.  
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

104707—M/s. Gebruder Buhler A.G.

126891—M/s. Tetra Pak International AB.

131863 and 135725—The Bombay Textile Research Association.

PATENTS DEEMED TO BE ENDORSED WITH THE  
WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
77755 (20-4-72)	Method for the preparation of codeinone from the baine.
81082 (20-4-72)	Improvements in or relating to methods of converting a mixture of isomeric retinenes into trans, trans retinene.
82506 (20-4-72)	Process for the manufacture of hydrazine derivatives.
86113 (20-4-72)	Hydrohalogenation of 9, 11-Epoxy steroids.
104299 (20-4-72)	Process for the production of cyclopentano-phenanthrene derivatives.
109920 (20-4-72)	Process for the preparation of novel imidazole.
112911 (20-4-72)	A process for the preparation of the ethynyl derivatives of steroids.
114974 (20-4-72)	Process for the preparation of 2-alkoxy-5-N (substituted or unsubstituted) sulphamido-benzoic acids.
115239 (20-4-72)	Process for the preparation of new N-pyridyl-formino ethers.
119795 (20-4-72)	Process for the preparation of dialkylaminoalkyl ethers of 2-alkoxy-3, 5-dihalobenzene.
125894 (20-4-72)	Process for the preparation of bicyclic azacyclic compounds.
127394 (20-4-72)	Process for the preparation of novel 3-methyl-2 quinoxalinecarboxamide-di-N-oxides.
133181 (8-10-71)	A process for the enzyme scission of lactose of milk and derivatives of same.
133247 (20-4-72)	Process for the preparation of 1, 3-amino-alcohol esters and their salts.
133248 (15-10-71)	Method of smelting high quality ferro-silicon.
134974 (20-4-72)	Method for preparing substituted benzimidazoles.

## RENEWAL FEES PAID

84670 85389 85447 85475 86036 86080 86081 86350 86351  
86430 86444 86580 86565 87007 87058 90469 90470 90575  
91020 91278 91711 91848 91940 92125 92129 92307 92423  
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138443 138549 138571 138579 138618 138690 138726 138737  
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139692 139720 139740 139777 139787 139788 139883 140116  
140282 140295 140358 140407 140537 140595 140624 140627  
140632 140639 140647 140711 140737 140791 140799 140835  
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141567 141647 141651 141749 141831 141833 142005 142102  
142121 142171

## CESSATION OF PATENTS

103787 119935 122587 130824 135189 138091 138672 139542  
139825

## RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 124317 granted to "Phoolchand Keshrimal Sanghvi, Kantilal Surajmal Sanghvi, Sushilkumar Rikhabchand sanghvi, Vijaykumar Bhabutmal Sanghvi and Madan Kumar Babulal Sanghvi, trading as sanghvi non-ferrous metal Industries for an invention relating to "aluminium alloy". The patent an invention relating to "a safety valve for a pressure cooker and a pressure cooker in combination with the same". The patent ceased on the 4th December 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 21st January, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 11th April, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 124317 granted to "Phoolchand Keshrimal Sanghvi, Kantilal Surajmal Sanghvi, Sushilkumar Rikhabchand sanghvi, Vijaykumar Bhabutmal Sanghvi and Madan Kumar Babulal Sanghvi, trading as sanghvi non-ferrous metal Industries for an invention relating to "aluminium base alloy". The patent ceased on the 9th December 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 21st January, 1978.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 11th April, 1978 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 145509. Bhaskar Prem Mitra, Indian National, of 23, Vahatuk Nagar, Fasilpura, Aurangabad, Maharashtra State, India. "Stove burner". May 5, 1977.

Class 3. Nos. 145414 to 145421. Mona Toys Industries, an Indian Partnership firm, of C-124, Rewari Line,

Industrial Area, Phase-II, Maya Puri, New Delhi-27, India. "Toys". April 7, 1977.

Class 3. No. 145628. Hoechst Pharmaceuticals Limited, of Dugal House, Backbay Reclamation, Bombay-20, Maharashtra State, India, an Indian Company. "An applicator having flap provided with three ridges". May 27, 1977.

Class 3. No. 145630. Paros Electronics (P) Ltd., 5, Community Centre, Naraina Industrial Estate, New Delhi-110027, an Indian Private Limited Company. "Cassette tape recorder cum transistor radio". May 30, 1977.

#### COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design Nos. 139807 & 140088.....Class 1.

Design Nos. 140039, 140040 & 140127.....Class 3.

Design No. 140038.....Class 5.

#### COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS

Design No. 131208.....Class 1.

Design No. 140127.....Class 3.

Design No. 131505.....Class 4.

Design No. 131677.....Class 12.

Design Nos. 131355, 131356, 131357, 131358, 131359, 131360, 131361, 131362, 131363 & 131364.... Class 9.

S. VEDARAMAN,

Controller-General of Patents,  
Designs and Trade Marks.